

TRANSPORTATION DEPARTMENT[761]

Notice of Intended Action

Notice is also given to the public that the Administrative Rules Review Committee may, on its own motion or on written request by any individual or group, review this proposed action under section 17A.8(6) at a regular or special meeting where the public or interested persons may be heard.

Pursuant to the authority of Iowa Code sections 307.12, 307A.2 and 364.24, the Iowa Department of Transportation hereby gives Notice of Intended Action to amend Chapter 143, "Traffic Signal Synchronization," Iowa Administrative Code.

The proposed amendments add an adaptive signal control system to the types of coordinated traffic signal systems listed within rule 761—143.1(364) and make a coordinating change within subrule 143.4(1). The addition of the latest, most current method of traffic signal coordination will ensure that the rules are updated to current technology.

These rules do not provide for waivers. Any person who believes that the person's circumstances meet the statutory criteria for a waiver may petition the Department for a waiver under 761—Chapter 11.

Any person or agency may submit written comments concerning these proposed amendments or may submit a written request to make an oral presentation. The comments or request shall:

1. Include the name, address, and telephone number of the person or agency authoring the comments or request.
2. Reference the number and title of the proposed rule, as given in this Notice, that is the subject of the comments or request.
3. Indicate the general content of a requested oral presentation.
4. Be addressed to Tracy George, Rules Administrator, Iowa Department of Transportation, Operations and Finance Division, 800 Lincoln Way, Ames, Iowa 50010; e-mail: tracy.george@iowadot.us.
5. Be received by the Department's rules administrator no later than January 10, 2017.

A meeting to hear requested oral presentations is scheduled for Thursday, January 12, 2017, at 9 a.m. in the Administration Building, First Floor, South Conference Room, Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa.

The meeting will be canceled without further notice if no oral presentation is requested.

After analysis and review of this rule making, no impact on jobs has been found.

These amendments are intended to implement Iowa Code section 364.24.

The following amendments are proposed.

ITEM 1. Amend rule **761—143.1(364)**, definition of "Traffic signal system," as follows:

"Traffic signal system" means two or more traffic signals operating in a coordinated manner. Types of coordinated systems:

1. "Adaptive signal control system" means a system in which traffic signals across a signal network are coordinated by adjusting the lengths of signal phases based on prevailing traffic conditions.

~~1.~~ 2. "Computerized system" means a system in which controllers are supervised by a computer.

~~2.~~ 3. "Interconnected master-controlled system" means a system in which local controllers are supervised by a master controller through a communications link (wire/radio). The master establishes a base line condition; the local then operates its intersection in a predetermined relationship with the base line.

~~3.~~ 4. "Noninterconnected system" means a system in which timing relationships between individual local controllers are coordinated by manual settings, without physical interconnection between the controllers.

4. ~~5.~~ "*Time-based coordinated system*" means a noninterconnected system in which the local controllers use a ~~very accurate~~ programmable digital timing and control device (time-based coordinator) to maintain coordination.

~~5.~~ 6. "*Traffic responsive system*" means a system in which a master controller specifies cycle timings based on the real time demands of traffic as sensed by vehicle detectors.

ITEM 2. Amend subrule 143.4(1) as follows:

143.4(1) Unless a traffic engineering study documents that it is not practical, traffic signals within one-half mile of each other along an arterial street or in a network of intersecting arterial streets shall be operated ~~in coordination; preferably in a computerized, interconnected master-controlled, time-based coordinated, or traffic responsive system~~ as a traffic signal system.